SOUTH AUSTRALIAN SOCIETY OF MODEL
& EXPERIMENTAL ENGINEERS

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SASMEE BULLETIN

THE OFFICIAL JOURNAL
OF
THE SOUTH AUSTRALIAN SOCIETY OF
MODEL AND EXPERIMENTAL ENGINEERS

DEC 1980 — MARCH 1981

WHAT'S ON AT SASMEE

December 1980

Tues 2nd.	Committee Meeting 7.30 pm
Sat 6th.	Working Bee 1-5pm
Sun 7th.	Public Field Day 2-5 pm
Tues 9th.	General Meeting 8pm Mr. Trevor Jones of Liquid Air, Speaking and demonstrating brazing of copper
Sun 14th.	Christmas Party and Play Day Noon - ?
Sun 21st.	Club Play Day Noon - 5pm

January 1981

Sat. 3rd.	Working Bee 1-5pm
Tues 6th.	Committee Meeting 7.30 pm
Tues 13th.	Play Night 5-9.30 pm
Sat 17th.	Public Field Day 2-5pm
Sun 18th.	Club Play Day Noon - 5pm
Tues 27th	Informal Meeting 8 pm.

February 1981

Sun 1st.	Public Field Day 2-5pm
Tues 3rd.	Committee Meeting 7.30 pm
Sat 7th	Working Bee 1-5 pm
Tues 10th.	General Meeting 8 pm Mr. John Levers will speak on Fibre Glass, Techniques and Uses.
Sun 15th.	Club Play Day Noon - 5pm
Sat 21st.	Public Field Day 2-5pm
Tues.24th	Informal Meeting 8 pm

March 1981

Sun 1st.	Public Field Day 2-5pm
Tues.3rd.	Committee Meeting 7.30 pm
Sat. 7th.	Working Bee 1-5pm
Tues.10th	General Meeting 8pm Mr. Alan Wilson will speak and demonstrate Welding without Fluxes.
Sun 15th.	Club Play Day Noon - 5pm
Sat 21st.	Public Field Day 2-5pm
Tues 24th	Informal Meeting 8pm

THE PRESIDENT REPORTS

Since the last Bulletin we have had a couple of reverse runs on the elevated track and I think everyone agrees that this has been a nice change from normal running.

Our new security lock system which has been organised by Jack Davey is now incorporated, meaning that the old locks have been removed from the Main Gate, Clubhouse, Canteen and Workshop. Each member of the executive committee has been issued with keys, including a submaster which provides access only to the maingate and clubhouse.

Should any member wish to use our facilities outside normal periods of activity, the submaster key and the old key will need to be obtained from a committee member, the submaster being for access to the main gate and clubhouse, the old key for access into the toilets and station.

The keys cannot be obtained from locksmiths.

The ground track is progressing steadily and the pedestrian overpass is nearing completion near the clubhouse.

The large garage kindly donated by Vin Angley is being assembled in the south east corner of the grounds. It is intended to use this as a storage shed for ground track rolling stock.

The club has been given all of the 5" and 3½" gauge raised track owned by the late Fred Hercus, and an enthusiastic group of members dismantled and removed the track to Millswood. The ground track subcommittee intend using part of this track as an interconnecting spur line linking the raised track turntable with the ground track. This will enable 5" loco's to steam up on the existing turntable before going on to the ground track, or to have freedom to operate on either without having to be lifted from one track to the other.

Vic Thrum has made a magnificent job of restoring an old vertical air cooled oil engine donated by Ed Halse.

It chuffs away in fine style and is painted in green, red and black enamel.

Vic has also obtained a large circular bench type log saw which has the proper attachment for holding logs securely. This should be operational before long and of great help to our Boilerhouse engineers.

Editorial

This issue of SASMEE Bulletin is the first for which I am fully responsible and any brickbats will be fielded. I have no intention to drastically change the contents but I think that at least one technical article should appear in each issue, while I can write an occasional article, using my own knowledge and plagiarism rewriting articles appearing in other journals, my task will be made easier by members submitting articles for Publication.

Any articles received will be attentively read and if suitable, will be printed. However, no assurance can be given as to when they will appear, but I can promise that no fee will be paid as the kitty is non existent. Articles should not exceed 4 pages but if longer, the possibility of serialising over more than one issue exists.

If any budding contributor is hesitant about submitting material because of shyness or any other reason, don't worry because a panel of ghost writers will be able to knock the article into shape.

I know that this appeal may be disregarded by some members but you are being warned that I shall repeat the request verbally, at future meetings of the Society.

With regret we report the death of our esteemed member, Herb Croker, on November 5th.

Herb was interested in boats and stationary steam engineers and did much to bring the steam house to fruition and was responsible for most of reconditioning of the two horizontal engines donated by the Gas Company.

The members of S.A.S.M.E.E. offer their deepest condolences to Joyce, and a fuller appreciation of his activities will be included in the next issue of the bulletin.

The Sick List

Margaret Francis was rushed into surgery for the removal of an offending Appendix.

Clary Burden has been laid low after his recent operation.

Brian Niesche and Kevin Halstead required visits to the Chiropractor after helping out with the uplifting and removal of the track at the home of the late Fred Hercus. While Brian and Kevin suffered from spinal strains and stresses many others had bruises and aching muscles.

Peter Cockburn spent some days in Hospital having his "broken wing" repaired, the result of a push bike accident.

New Members

Steven Maher of 10 Pine Street Stirling, joined as a student member. Steven has built 2 boats, a racing car and a hot air engine.

Graham Todd of 26 Tidsworth Crescent, Colonel Light Gardens is by trade a toolmaker and design draftsman. Graham has made a 5 inch bore vert. stationary steam engine and a 36 inch RAF Seaplane tender plus numerous aircraft.

Ken McDonald of 58 Marine Parade, Seacliff is a retired farmer, and has been interested in model engineering for some 50 years.

John Taylor of 8 Klara Avenue Darlington is a taxi proprietor and has been interested in model engineering for 5 years.

We do trust that your association with SASMEE will be enjoyable and constructive. We extend to you all a welcome to our Society.

PLAY DAY.

The attendance of members at the Play Day held on Sunday 19th October was disappointing but those members and families that took the trouble to come along had a good time. Peter Denholm was conned into running his 3½" G Maisie on the Main track and was surprised that it went so well. Phil Waugh's 621 and Frank Lee's Sir Nigel Gresley were monopolised by the older members while the kids had a whale of a time driving Ian Clark's electric loco. Peter could not run his boat as he forgot to bring the starting cord and for part of the time he mislaid Ellen. The Play Day will be repeated on Sunday 16th November when there will be the Annual show of work and the Committee hopes that the attendance on this occasion will be better.

Technical Notes

TANK FILTERS

Fig 1 is a diagram of the bottom of the water tank with the usual type of gauze filter. Clearly a significant amount of the water in the tank is never used as the water level cannot sink below the level of the dotted line. In practice, the level is not likely to get below the full line because a vortex will form and air will be drawn into the suction line. Everyone knows of the effect of air in the feed to injectors, but the pumps will not function properly unless full of water. The vortex will cause an air-lock in the pump.

In Fig 2, the entire contents of the tank can be used, except for the small volume in the bottom of the sump. This system was used on standard B R locomotives, and worked efficiently except for freezing of the water in the sumps during hard winters when the locomotives were laid up.

Added advantages of this system are that the simple flat piece of gauze is easier to make and fit than is the thimble, and all suctions for pumps and injectors can be taken from the one sump.

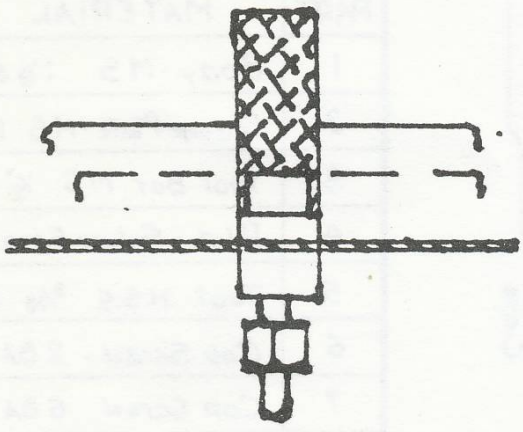


Fig 1

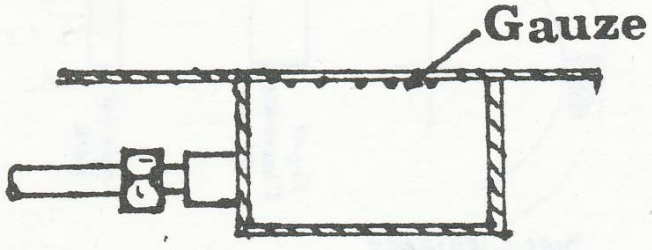
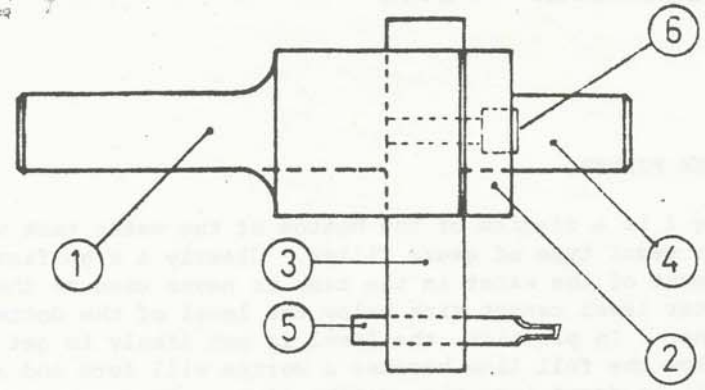
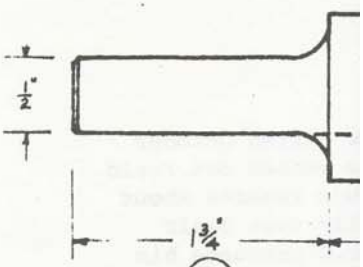
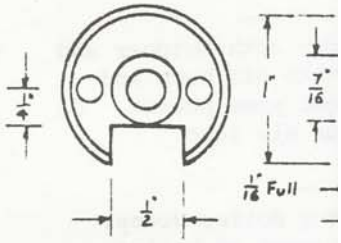


Fig 2





(1) Body - M.S.



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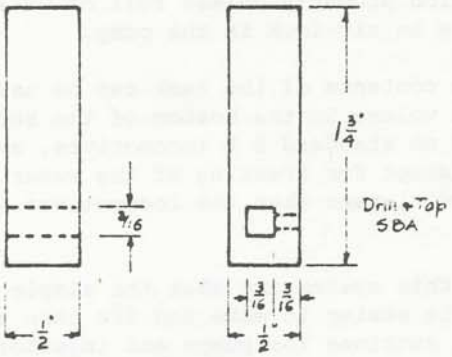
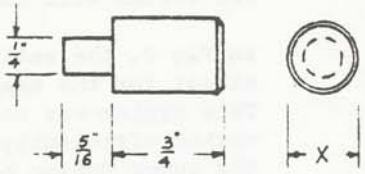
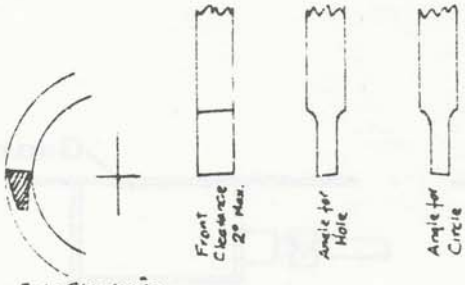


(3) Tool Bar - M.S.



X = Various dias to suit

(4) Pilot - Silver Steel

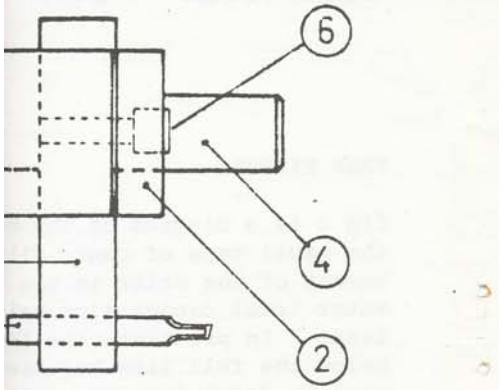


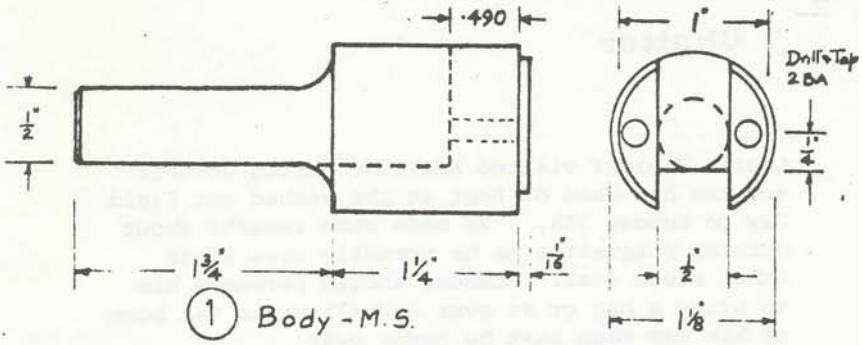
(5) Tool - Clearance Grinding

PART	MATERIAL	OFF
1	Body - M.S. 1 1/8 ϕ x 3 1/8"	1
2	Clamp Plate - M.S. 1 1/8 ϕ x 3/8"	1
3	Tool Bar - M.S. 1/2" Sq. x 1 3/4"	1
4	Pilot - Silver Steel various	–
5	Tool - H.S.S. 3/16 Square	–
6	Cap Screw - 2BA x 3/4	2
7	Cap Screw - 6BA x 5/16"	1

TREPANNING TOOL

DRAWN	CHECKED
R.V. Wood	
4 - 3 - 76	





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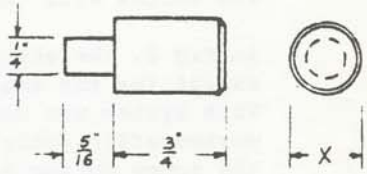
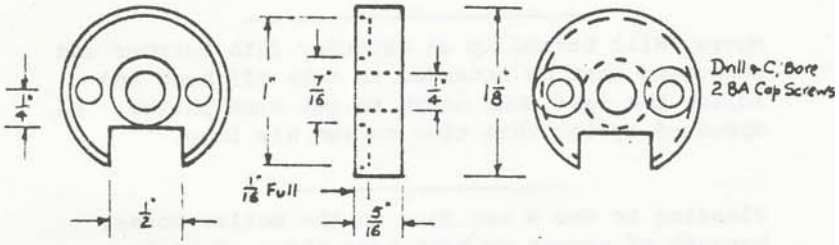


Drill & Tap 5 BA

X = Various dias to suit

(4) Pilot - Silver Steel



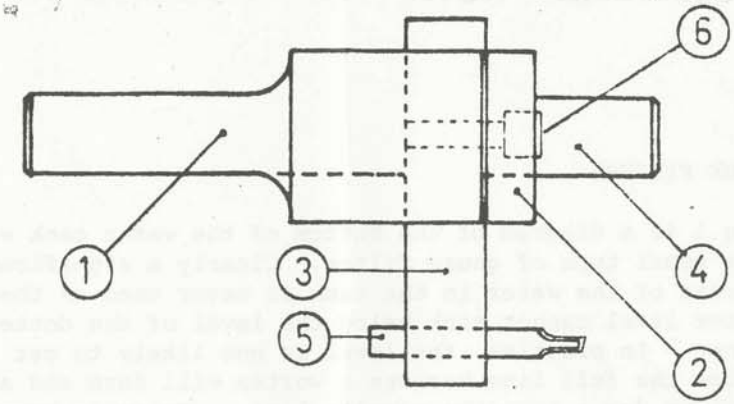
(2) Clamp Plate - M.S.

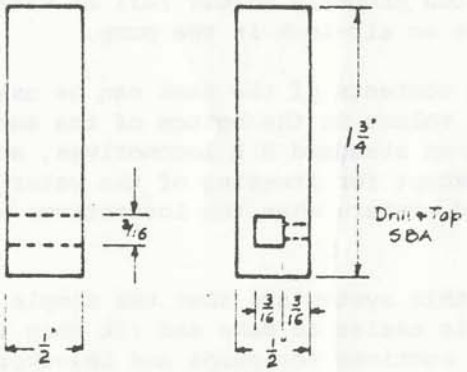
PART	MATERIAL	OFF
1	Body - M.S. 1 1/8 ϕ x 3 1/8"	1
2	Clamp Plate - M.S. 1 1/8 ϕ x 3/8"	1
3	Tool Bar - M.S. 1/2" Sq. x 1 3/4"	1
4	Pilot - Silver Steel various	–
5	Tool - H.S.S. 5/16 Square	–
6	Cap Screw - 2 BA x 3/4	2
7	Cap Screw - 6 BA x 5/16"	1

TREPANNING TOOL FOR HOLES OR CIRCLES

DRAWN	CHECKED	SCALE	DRAWING No.
R.V. Wood			No. 5
4 - 3 - 76			

inding





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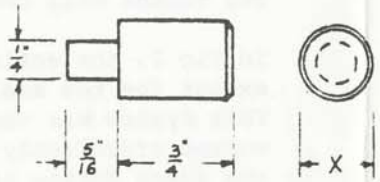

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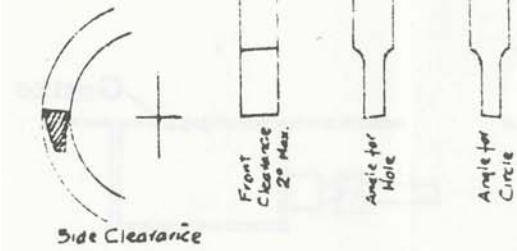

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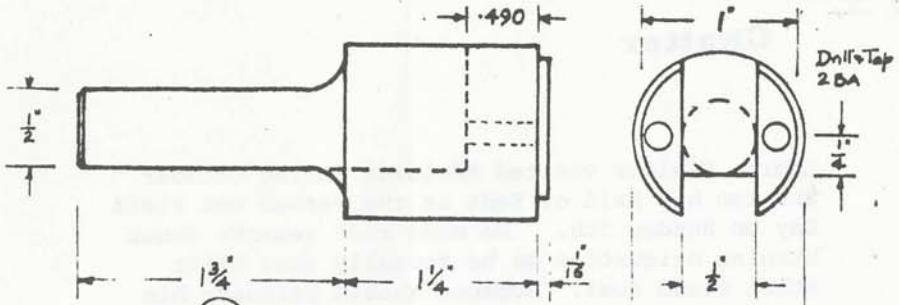

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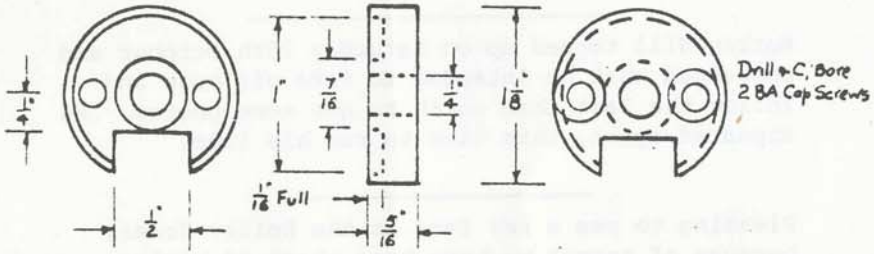

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5	Tool H.S.S. 3/16 Square	–
6	Cap Screw - 2 BA x 3/4	2
7	Cap Screw 6 BA x 5/16"	1

TREPANNING TOOL FOR HOLES OR CIRCLES

DRAWN	CHECKED	SCALE	DRAWING No.
R.V. WOOD			No. 5
4 - 3 - 76			

Chatter

Laurie Fielder visited Adelaide during October and ran his Maid of Kent at the washed out Field Day on Sunday 5th. He made rude remarks about burning briquettes as he normally uses Blair Athol steam coal. Someone should persuade him to bring a bag or so over as ballast in the boot of his car when next he comes over.

Murray Hill turned up on Saturday 25th October and announced that he intended to take off bush and follow the last Ghan north to get some photos. He appeared again, this time to run his loco.

Pleasing to see a new face in the Boiler House, because of recent we have been short of boiler attendants. Thanks to Bob Scanlon for volunteering.

Our thanks to Bill Coles and Bill Holdsworth for donating to our Library some books on Foundrywork.

Keith Besley is about again, he is recovering slowly after his recent operation and we should see more of him now that the weather is improving.

Good to see Charlie Manning present at the Field Day on the 15th October, sailing his Destroyer on the Boat Pond.

Noticed that the BOOLEROO CENTRE STEAM TRACTION PRESERVATION SOCIETY will be having the Annual Rally on Saturday and Sunday 4th and 5th April 1981.

Notes From The Meetings

The Foundry Sub Committee

A proposition that a Sub Committee be formed to investigate the establishment of a Foundry and Pattern Library was passed at the October General Meeting.
The Sub Committee appointed were John Welch, Bill Coles, Terry Middleton and Peter Denholm.
Bryan Homann has now been added to the list.

The Sub Committee held its first meeting at the workshop of Bob Smyth recently. Bob was able to demonstrate to us his foundry and the items necessary to make it operational. A demonstration of the furnace in operation convinced the Sub Committee that the noise and pollution levels would not be a problem at SASMEE. Bob's advice and his offer to assist in the establishment of the Foundry is greatly appreciated.

Included in this "BULLETIN" is a Questionnaire requesting information from members relating to the proposed Foundry and Pattern Library, members are requested to return it to the Secretary at the earliest.
It is hoped that an early recommendation will be put to the General Meeting.

Just Completed

Fred Gordon has now completed his 5 inch Simplex. What a wonderful job Fred has done.

Near Completion

Tom England is putting the final finishes to his 7¼ Britannia.

Brian Niesche is lagging the boiler of his Foden, will have it running prior to Christmas.

WANTED

12 Volt Windscreen Motors.
Required for point actuators on the new 7¼, 5 inch ground track

Contact Ian Clarke

Wanted

A 2 Channel Radio Control Unit, any make.

Contact Nev Watts - 2776047

Wanted

Drawings for a Steam Feed (Donkey) Pump to suit a 7¼ Tich.

Contact Peter Denholm

For Sale

Assorted collection of Drill Chucks, Cutting Tools, Twist Drills, Lathe Centres and Carriers,

Asking Price $75.00
Contact Doug Black
2955684

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a UFO ?

No,it was Colin Cook's 3½ inch Tich zooming around the Exhibition track during the Oct. play day.

Much to everyones amazement Colin had rigged up a milk tin boiler with a wick burner, and it worked. Yes, we did take a photo of the combination.

Rosters

LOCK UP

Informal Meeting

Nov. 25th Fred Gordon
Jan. 27th Tom Fowler
Feb. 24th Peter Denholm
Mar. 24th Ian Clark

Club Play Day

Dec. 21st Tom Fowler
Jan. 18th Alec Ide
Feb. 15th Wally Brownlow
Mar. 15th Bill Holdsworth

LOCO ROSTER

Sun. Dec.7th	Sat. Jan.17th	Sun. Feb. 1st
P. Waugh	I. Clark	F. Lee
F. Lee	B. Dunstan	J. Beal
B. Frances	A. Lethbridge	P. Waugh
H. Bateup	B. Smith	H. Bateup
R. Skewes	K. Besley	J. Moorfield
	Sat 21st Feb.	**Sun. 1st March**
	B. Francis	I. Clark
	R. Skewes	P. Waugh
	B. Dunstan	F. Lee
	A. Lethbridge	J. Beal
	K. Besley	B. Smyth
Sat 21st March	**Sun 5th April**	**Sat.18th April**
B. Smith	B. Dunstan	R. Skewes
J. Moorfield	F. Lee	K. Besley
H. Bateup	I. Clark	F. Gordon
K. Besley	A. Lethbridge	J. Beal
B. Francis	P. Waugh	D. Irvine

CANTEEN ROSTER

Sun. Dec. 7th	Peter Lindblom, Brian Niesche
Sat. Jan. 17th	Allan Saunders, Jeff Schaeffer
Sun. Feb. 1st	Graham Sorrell, Arnold Stead
Sat. Feb. 21st	Peter Stewart, Ian Thomas
Sun. Mar. 1st	Gavin Thrum, Graham Todd
Sat. Mar. 21st	Vic Thrum, Bill West
Sun. Apr. 5th	Geoff Williams, Taffy Williams
Sat. Apr. 18th	Don Zanker, Ronald Bennetts

BOILER ROSTER

Sun. Dec. 7th	Terry Middleton
Sat. Jan. 17th	Bob Scanlon
Sun. Feb. 1st	Tom Fowler
Sat. Feb. 21st	Joe Hendry
Sun. Mar. 1st	Alan Brabham
Sat. Mar. 21st	Howard Bateup
Sun. April 5th	Bryan Homann
Sat. April 18th	Terry Middleton

PATRON — Mr. A.G. Flint, Executive Chairman, STA, and Commissioner, ANR.

VICE PATRONS
Mr. A.W.C. Crossman, Late SAR
Mr. W.D. Saunders, CME, ANR
Mr. C. Schaumloffel, Manager, Loco Workshops, Islington
Mr. G. Nicolson, Tregalana, Whyalla
Mr. H.H. Salisbury

PRESIDENT
I. Clark

VICE PRESIDENTS
J. Davey, A. Brabham

SECRETARY
P. Denholm

MINUTE SECRETARY
F. Gordon

TREASURER
B. Holdsworth

ASSISTANT TREASURER
W. Brownlow

COMMITTEE
H. Bateup, A. Ide
P. Waugh, T. Fowler

HOSTS
J. Welch, C. Burden

LIBRARIANS
G. Templeman, M. Ambler

PUBLIC OFFICER
A. Templeman

SUPERVISORS LOCO TRACK
A. Ide, W. Brownlow
H. Bateup, P. Waugh

SUPERVISORS BOAT POND
N.Kernick, C. Manning
B. Gamble

BOILER SAFETY COMMITTEE
A. Brabham, J. Welch
O.Thomas, H. Bateup

CANTEEN
A. Templeman

GROUND LEVEL TRACK
A.Brabham, H.Bateup, A.Ide, I.Clark, R.Bloyd, T.England
J.Davey, W. Brownlow.

SECRETARY

P. Denholm
Box 263
STIRLING S.A.5152

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Phone 44 1337

CONTRIBUTIONS TO THE BULLETIN SHOULD BE FORWARDED TO THE EDITOR

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